

## IMPROVED METHOD OF PURIFYING TFPI AND TFPI ANALOGS

### ABSTRACT OF THE DISCLOSURE

Highly purified preparations of TFPI or TFPI analogs can be prepared using a method that generally involves the following steps: (1) expression of TFPI or TFPI analog in *E. coli*, (2) isolation of refractile bodies, (3) dissolution of the refractile bodies and refolding of the expressed TFPI or TFPI analog, (4) SP-Sepharose fast flow (FF) chromatography, (5) a first concentration and diafiltration step, (6) Q-Sepharose high (HP) performance chromatography, (7) butyl hydrophobic interaction chromatography (HIC), (8) SP-Sepharose HP chromatography, and (9) a second concentration/diafiltration step. Less than about 12% of the TFPI or TFPI analog molecules in such preparations are modified TFPI or TFPI analog species (*i.e.*, oxidized, carbamylated, acetylated, deamidated, aggregated, or misfolded species).